

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY **Bulgaria** REPORT 25X1

SUBJECT **The "Anton Ivanov" Tractor Parts Factory in Plovdiv** DATE DISTR. **28 December 1955** 25X1

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PLACE ACQUIRED REFERENCES

DATE ACQUIRED This is UNEVALUATED Information

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. In 1952 the "Anton Ivanov" Factory in Plovdiv was reorganized and geared for the manufacture of component parts for tractors. Parts of its equipment, which had been utilized for the production of various machine tools, were transferred to the "Stalin" Machine Tools Factory in Sofia. The plant, which is located about 200 to 300 meters from the Plovdiv Central Railroad Station, is enclosed by a two meter brick wall. It is readily identified by its 20 to 25 meter smokestack.
2. The plant is composed of the following sections:
- a. Tools' shop (Instrumentalen Tsakh);
 - b. Lathe shop (Tokaren Tsakh);
 - c. Foundry (Leyaron Tsakh);
 - d. Head processing shop (Tornicheski Tsakh);
 - e. Metal cutting shop; and
 - f. Oxygen and arc welding shop.
3. The tool shop, which produces milling cutters and other metal working tools, is equipped with the following machines:
- a. Seven or eight Czech lathes, one of them a Zbroyevka, which has 2,800 r.p.m. for pieces up to 150 mm. in diameter;
 - b. Three or four Mas lathes with 860 r.p.m. for the manufacture of small parts;
 - c. Three milling machines of Czech make (Mas);
 - d. Two or three Tes lathes of 640 r.p.m. for pieces of up to 200 mm. in diameter;
 - e. A Czech shaping machine;

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(Note: Washington distribution indicated by "X"; Field distribution by "#").

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- f. One grinding machine; and
- g. A number of German lathes, which are not used.
4. The lathe shop operates in three shifts on the following machinery:
- a. About 40 lathes, including a number of Mas lathes for 100 to 150 mm. pieces, Tos lathes for 200 to 250 mm. pieces, one Zbrojovka, a German Haid for 250 to 300 mm. pieces, and lathes from the "Krasniy Proletariy" Plant in Moscow;
 - b. Three or four Czech Mas milling machines;
 - c. Two polishing machines for gas engine cylinders from the German firm Honing; and
 - d. Two automatic sets for the rough machining of parts from the "Krasniy Proletariy" Plant.
5. The foundry is equipped with two Vagranka furnaces, each of which has a daily capacity of tentons. They are, however, only operated intermittently and only at night.
6. The heat processing shop has two units:
- a. One unit for the heat treatment of parts, equipped with two small primitive oil burning furnaces of Bulgarian make and two pneumatic hammers; and
 - b. One unit for the hardening of parts by means of one oil-burning and two electric furnaces.
- The shop works in two shifts, each with three or four persons.
7. The metal cutting shop is equipped with five Czech mechanical saws, one of which is a circular.
8. The welding shop has one oxygen and two arc welding sets, one of which is mobile and the other stationary.
9. The principal raw materials used by the plant are cast iron, steel and bronze. The cast iron is mainly obtained from scrap, while the steel is supplied by the USSR, and to a lesser extent, by the "Lenin" Metallurgical Plant in Dimitrovo. The "Anton Ivanov" Factory draws its power from the main grid of Plovdiv and is equipped with an emergency Diesel generator. The plant employs 1,000 workers, including about 100 women. The administrative staff comprises some 20 to 30 employees, including Botev (fnu), the general manager, and Sotov (fnu), the technical director.
10. The following is a legend to the sketch of the "Anton Ivanov" Factory on page 3.
- 1. Main road
 - 2. Road leading to the plant and the railroad track repair shop
 - 3. Entrance to the factory
 - 4. Entrance permits office and Gatekeeper
 - 5. Entrance to the railroad track repair shop
 - 6. Fire brigade
 - 7. Athletic field
 - 8. Administration
 - 9. Tool shop
 - 10. Lathe shop
 - 11. Heat processing shop
 - 12. Foundry

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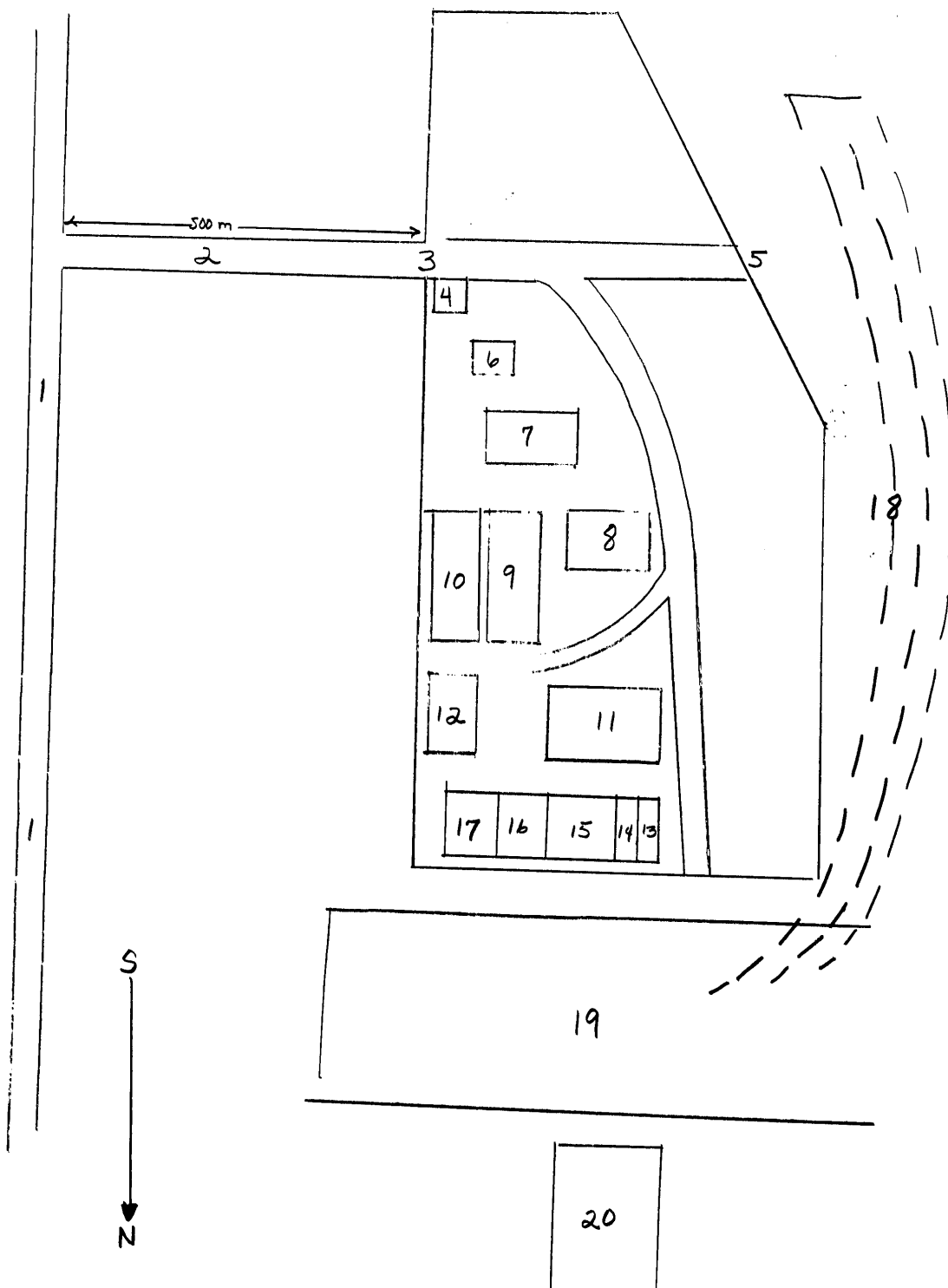
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13. Workers dressing room
14. Storage room
15. Metal cutting shop
16. Arc welding shop
17. Arc welding shop
- 18.) Railroad track repair shop area
- 19.) Central railroad station.



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